



FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNN, L. L. P.

1300 I STREET, N. W.  
WASHINGTON, DC 20005-3315

202 • 408 • 4000  
FACSIMILE 202 • 408 • 4400

ATLANTA  
404 • 653 • 6400  
PALO ALTO  
650 • 849 • 6600

WRITER'S DIRECT DIAL NUMBER:  
202 • 408 • 4140

TOKYO  
011 • 813 • 3431 • 6943  
BRUSSELS  
011 • 322 • 646 • 0353



April 30, 2001

ATTORNEY DOCKET NO. 6530.0278  
CUSTOMER NO. 22,852

**Box PATENT APPLICATION**  
**Assistant Commissioner for Patents**  
**Washington, DC 20231**

New U.S. Patent Application  
Title: ENDOSCOPIC STENT DELIVERY SYSTEM AND METHOD  
Inventors: James F. Hemerick and Eric Schneider

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application- 30 pages, including 4 independent claims and 46 claims total.
2. Drawings- 6 sheets of drawings (Figures 1-6c).
3. Declaration and Power of Attorney.
4. Recordation Form Cover Sheet and Assignment to Scimed Life Systems, Inc.
5. The filing fee is calculated as follows:

Assistant Commissioner for Patents

April 30, 2001

Page 2

Basic Application Filing Fee					\$710	\$ 710.00
	Number of Claims		Basic	Extra Claims		
Total Claims	46	-	20	26	x \$18	468.00
Independent Claims	4	-	3	1	x \$80	80.00
<input type="checkbox"/> Presentation of Multiple Dep. Claim(s)					+\$270	0
Subtotal						\$ 1,258.00
Reduction by 1/2 if small entity						- 0
TOTAL APPLICATION FILING FEE						\$ 1,258.00

6. A check for \$1,298.00 is enclosed. The fee includes:

\$710.00 filing fee;  
\$548.00 additional claims fee; and  
\$40.00 Assignment recordation fee.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow,  
Garrett & Dunner, L.L.P.  
1300 I Street, N.W.  
Washington, D.C. 20005-3315

Please accord this application an application number and filing date and record and return the Assignment to the undersigned.

Figure 1 consists of 12 line graphs, labeled (a) through (l), arranged in two columns. Each graph plots a different biochemical parameter over a 24-hour period following reperfusion. The x-axis for all graphs represents time in hours, from 0 to 24. The y-axis for all graphs represents the concentration or activity of the parameter, scaled by  $10^{-4}$ . The left column (a, c, e, g, i, k) displays parameters related to the infarcted area, while the right column (b, d, f, h, j, l) displays parameters related to the non-infarcted area. The parameters are: (a) Lactate dehydrogenase (LDH) activity, (b) Creatine kinase (CK) activity, (c) Aspartate aminotransferase (AST) activity, (d) Alanine aminotransferase (ALT) activity, (e) Lactate (Lac) concentration, (f) Creatinine (Cr) concentration, (g) Aspartate (Asp) concentration, (h) Alanine (Ala) concentration, (i) Lactate (Lac) concentration, (j) Creatinine (Cr) concentration, (k) Aspartate (Asp) concentration, (l) Alanine (Ala) concentration. Most parameters show a sharp increase within the first 2-4 hours of reperfusion, followed by a gradual decline or stabilization. For example, LDH activity (a) peaks at approximately  $1.5 \times 10^{-4}$  at 2 hours and then declines. Creatine kinase activity (b) peaks at approximately  $1.2 \times 10^{-4}$  at 2 hours and then declines. Aspartate aminotransferase activity (c) peaks at approximately  $1.0 \times 10^{-4}$  at 2 hours and then declines. Alanine aminotransferase activity (d) peaks at approximately  $0.8 \times 10^{-4}$  at 2 hours and then declines. Lactate concentration (e) peaks at approximately  $1.0 \times 10^{-4}$  at 2 hours and then declines. Creatinine concentration (f) peaks at approximately  $0.8 \times 10^{-4}$  at 2 hours and then declines. Aspartate concentration (g) peaks at approximately  $0.6 \times 10^{-4}$  at 2 hours and then declines. Alanine concentration (h) peaks at approximately  $0.4 \times 10^{-4}$  at 2 hours and then declines. Lactate concentration (i) peaks at approximately  $0.8 \times 10^{-4}$  at 2 hours and then declines. Creatinine concentration (j) peaks at approximately  $0.6 \times 10^{-4}$  at 2 hours and then declines. Aspartate concentration (k) peaks at approximately  $0.4 \times 10^{-4}$  at 2 hours and then declines. Alanine concentration (l) peaks at approximately  $0.2 \times 10^{-4}$  at 2 hours and then declines.

LIB/FXM/rrs  
Enclosures